AFSOM Senior Review Board/ Configuration Control Board Meeting

SWC
Schriever AFB

6 - 8 Oct 98

Agenda

Tuesday, 6 October

Executive Session (O-6/GS-15 Only)

0800	Introduction, General Remarks	SWC
0830	99 AFSOM Budget Status	AFAMS
	AFSERS Brief	
	JSIMS/NASM Update	

SRB

1040	Welcome	SWC
1050	Introduction, General Remarks	AFAMS

Agenda

Exercise Center Updates

1100	AFSPC/SWC	
1145	JC2WC	
1230	Lunch	
1330	USAFE/WPC	
1415	Contingency Operation Brief	WPC
1515	Break	
1530	PACAF/KASC	
1615	AC2A/C2TIC	

Agenda

Wednesday, 7 October

0800 AFWI

CCB

0845 Action Item Update AFAMS

0930 FY 99 Exercise Schedule/AFKEWL Review AFAMS

1015 Break

1030 Y2K Status ESC

1100 AFSOM DIS Capability AFAMS

1130 AAI/CT Manning AFAMS

1200 Lunch

Agenda

Wednesday, 7 October

1300	Database Calibration Effort	AFAMS
1330	AFSOM Development Update	ESC/WPC
1500	Break	
1515	AFSOM Development Plan	AFAMS
1600	Side Bar Meetings, as required	

Thursday, 8 October

0800	GIAC MOA	WPC
0900	LOGSIM	AF ILX
0930	Theater Battle Arena Capabilities	TBA
1000	Optional JNTF Tour	SWC

AFSOM Budget Status

- **3.5M Required**

- 1.53M (end-of-yr 98$)
- .54 (ESC carryover-98$)
- .55 (LMT-99$)
- **2.62 Total funded**

- **.88M Unfunded**

AIR FORCE Synthetic Environment for Reconnaissance and Surveillance

AFSERS

AF Synthetic Environment for Reconnaissance and Surveillance (AFSERS)

- AFSERS (a.k.a. MUSE) Simulates:
  - Predator UAV
  - U2
  - TENCAP
  - Future Global Hawk and Dark Star
- AFSERS developed by Joint Technology Center - Systems Integration Lab (JTC-SIL) under the direction of Joint Requirements Oversight Council (JROC)

AF Synthetic Environment for Reconnaissance and Surveillance (AFSERS)

- Simulates up to 4 systems
  - e.g. 4 Predators
  - e.g. 2 Predators, 2 U2s
- AFSERS supports:
  - Operator Training (Operator-in-the-Loop)
  - Experimentation
  - Battlestaff Training

AF Synthetic Environment for Reconnaissance and Surveillance (AFSERS)

AF Synthetic Environment for Reconnaissance and Surveillance (AFSERS)

IMAGES

AF Synthetic Environment for Reconnaissance and Surveillance (AFSERS)

- AFSERS Schedule:
  - Fuertes Defensas 98/99: Nov 98
  - Blue Flag 99-2: Feb 99
  - TMDI 98: Mar 99
  - Union Flash 99: Apr 99
  - Roving Sands 99: Jun 99
  - USAF Expeditionary Force Experiment 99: Jul 99
  - UFL 99: Aug 99

AF Synthetic Environment for Reconnaissance and Surveillance (AFSERS)

- AFSERS is Customer Supported
- Fee for Service
  - Current initial cost ~$150K
  - Recurring cost $100K or less
  - Trying to find ways to reduce cost
- Support Provided by:
  - Operator Support; ACC/DOU, 11/15th RS,
  - Technical Support; JTC-SIL
- Issue: H/W maintenance, parts and labor unfunded
  - AFAMS working with XOC to resolve

AF Synthetic Environment for Reconnaissance and Surveillance (AFSERS)

AFAMS POC

Mr. Ron McDaniel

DSN 970-5730, Comm (407) 208-5730

Email: Ron.McDaniel@afams.af.mil

NASM/JSIMS Update

NASM/JSIMS

- Simulation Center POCs
  - 505 ESS: Mr Dick Clark; C2TIC: Mr Sam Porter
  - WPC: Mr Monty Sheridan
  - KASC: Mr Doug Cook
- Initial Site Surveys
  - 505 ESS: 26 - 30 Oct 98
  - WPC: Jan 99
    - In conjunction with JTC AAIT
    - Teamed with Army and JPO
  - KASC: Mar 99
    - Teamed with Army (KBSC) and JPO (KASC and KBSC)

NASM/JSIMS

- User Events
  - Build 1 Tech Demo: 9-15 Jul 99
    - JTASC (Primary) and CUBE
  - Build 2 Collaborative Event: 24 Apr - 5 May 00
    - JTASC (Primary) and CUBE + others
  - Build 3 Collaborative Event: 3 - 16 Oct 00
    - JTASC (Primary) and C2TIC + others
  - IOC Event: 23-27 Apr 01
    - Same as Build 3 Collaborative Event
    - USACOM Unified Endeavor Exercise
- Collaborative Event Planning Workshop: 2-5 Nov 98 @ Orlando

NASM/JSIMS

- Current Beddown Strategy
  - 505 ESS: FY00
    - JSIMS Ver 1.0
    - Support Build 3 CE (Oct 00) and IOC Event (Apr 01)
  - WPC: FY01
    - JSIMS Ver 1.1
  - KASC: FY02
    - JSIMS Ver 1.2
- Issue: NASM program unfunded for 3400 and 3080
- Get Well Plan: TBD

Action Item Review

CCB Action Items

97-14

Action Item: DIS Interface (STAGE)

Status: - Superceded by 98-17

Recommendation: Close

OPR: ESC

CCB Action Items

98-1

Action Item: Determine process for Sim Center review of NASM/JSIMS prototypes

Status: - Centers may review builds at following events

-- Tech Demo #1	Jul 99 (JTASC, CUBE)
-- Collaborative Event #2	Apr 00 (JTASC, ?)
-- Collaborative Event #3	Oct 00 (JTASC, C2TIC)
-- IOC Event	Apr 01 (JTASC, C2TIC)
-- AF RFT	Jul 02 (C2TIC)

Recommendation: Remain Open

OPR: ESC
OCR: AFAMS

CCB Action Items

98-2

Action Item: Develop GIAC coordination procedures between AFAMS, ESC, WPC and external agencies (JFWC, AIA). Include exercise support, integration testing, etc.

Status:

- WPC developing first draft of MOA with JWFC

Recommendation:

Remain Open

OPR: AFAMS
OCR: ESC, WPC

CCB Action Items

98-5

Action Item: Identify NASM/JSIMS hardware purchase decision points to meet planned center beddown schedules

Status: - No 3080 funds were added into the FY 99 budget (FY 00-05)

Recommendation: Remain Open

OPR: AFAMS
OCR: ESC

CCB Action Items

98-14

Action Item: Distribute “neutered” source code to Sim Centers

Status: - Code has been removed from AFAMS Document Library.

- ESC investigating contractual issues

Recommendation: Remain Open

OPR: ESC
OCR: AFAMS

CCB Action Items

98-15

Action Item: Build detailed FY 99 Exercise Support Plan

Status:

- Continuing to work through issues
- Further discussion at this meeting

Recommendation:

Remain Open

OPR: AFAMS
OCR: ESC

CCB Action Items

98-16

Action Item: Put Navy team training information on the web

Status: - Cannot put information on web due to copyright problems. If interested in obtaining information, contact AFAMS

Recommendation: Close

OPR: AFAMS

CCB Action Items

98-17

Action Item: Identify STAGE/DIS discrepancies (DRs)

Status: - DRs remain open

- Not working due to DIS Direct development

- AFAMS reexamining issue with C2TIC

Recommendation:

Close

OPR: C2TIC

CCB Action Items

98-18

Action Item: Submit Mission Planning/Routing Tool requirements CR for evaluation

Status: - CR submitted (#3891)
- UWG prioritized as #5 on Major list

Recommendation: Close

OPR: C2TIC

CCB Action Items

98-19

Action Item: Organize exercise database management conference

Status: - Data Mgt IPT delegated to AFSOM UWG

- Topic for discussion on agenda

Recommendation:

Close

OPR: AFAMS
OCR: ESC

CCB Action Items

98-20

Action Item: Determine date for next CCB meeting

Status: - Meeting set for SWC 6-8 Oct

Recommendation: Close

OPR: SWC

CCB Action Items

98-21

Action Item: Sim Centers provide information to XOC on number of exercises and number trained

Status:

- XOCA received all information requested

Recommendation:

Close

OPR: Centers

CCB Action Items

98-22

Action Item: Review AFAMS Home Page to ensure there is a Hot Button for all centers

Status: - Links established for AFWI, SWC, AMWC, JWFC, JTASC and JC2WC

Recommendation: Close

OPR: AFAMS

CCB Action Items

98-23

Action Item: Update AFSOM CM Plan

Status: - Plan approved and distributed

Recommendation: Close

OPR: AFAMS

FY 99 Exercise Support Plan

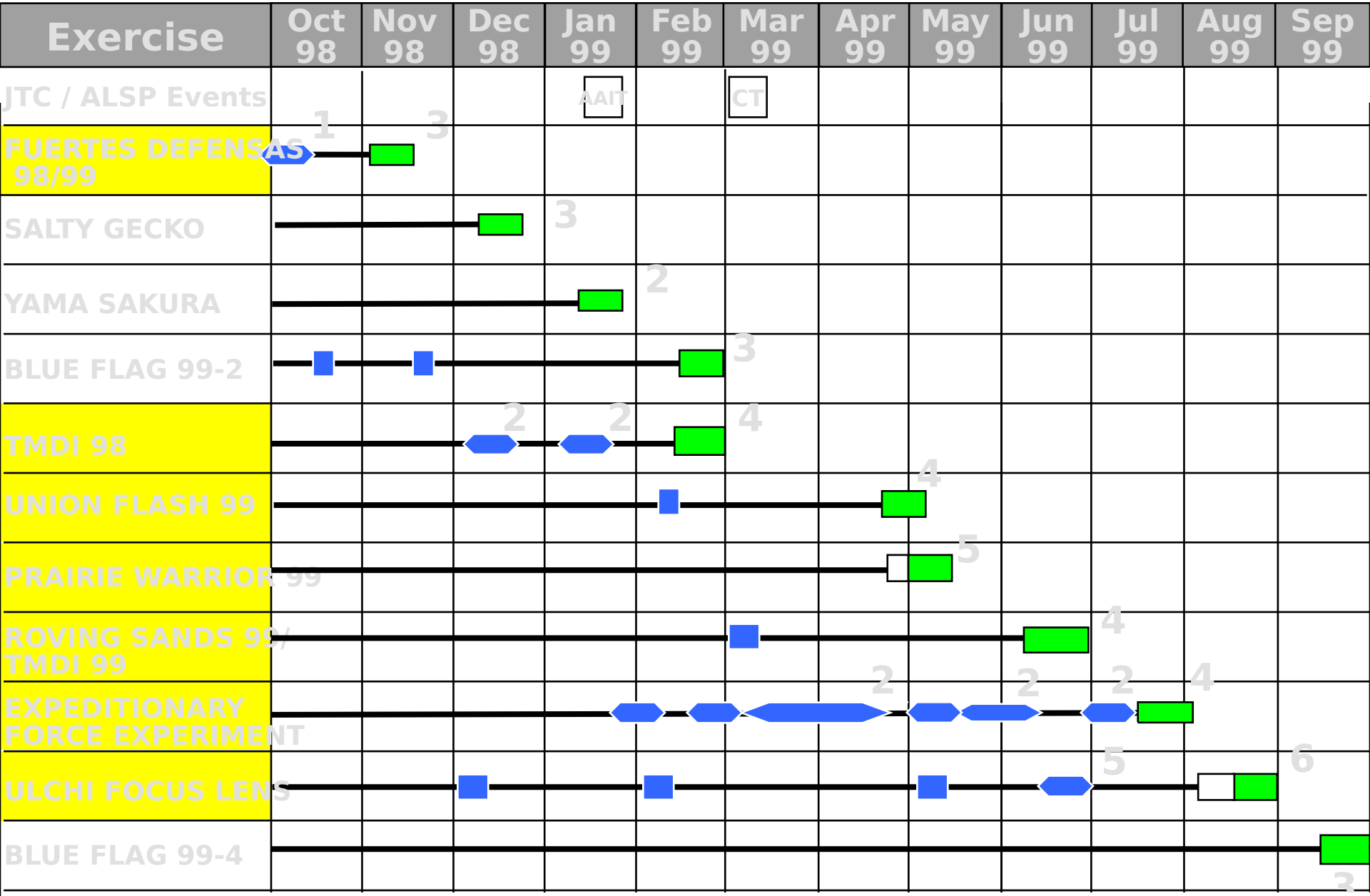
FY 99 Exercise Support

- XOCA centrally funds the Exercise Support Team (salary, overhead, travel, per-diem, etc.)
- Support prioritized by AFKEWL
- Add-ons are fee for service
  - Travel costs and per diem
- AFAMS collects requirements
- ESC determines the composition of the team based on requirements and dates
- AFAMS will forward any unresolved conflicts to XOCW for resolution

AFSOM Exercises on AFKEWL

- Ulchi Focus Lens
- Expeditionary Force eXperiment
- Roving Sands
- Union Flash
- Unified Endeavor/Fuertas Defensas
- Prairie Warrior
- Theater Missile Defense Initiative

AFSOM Exercise Schedule FY99

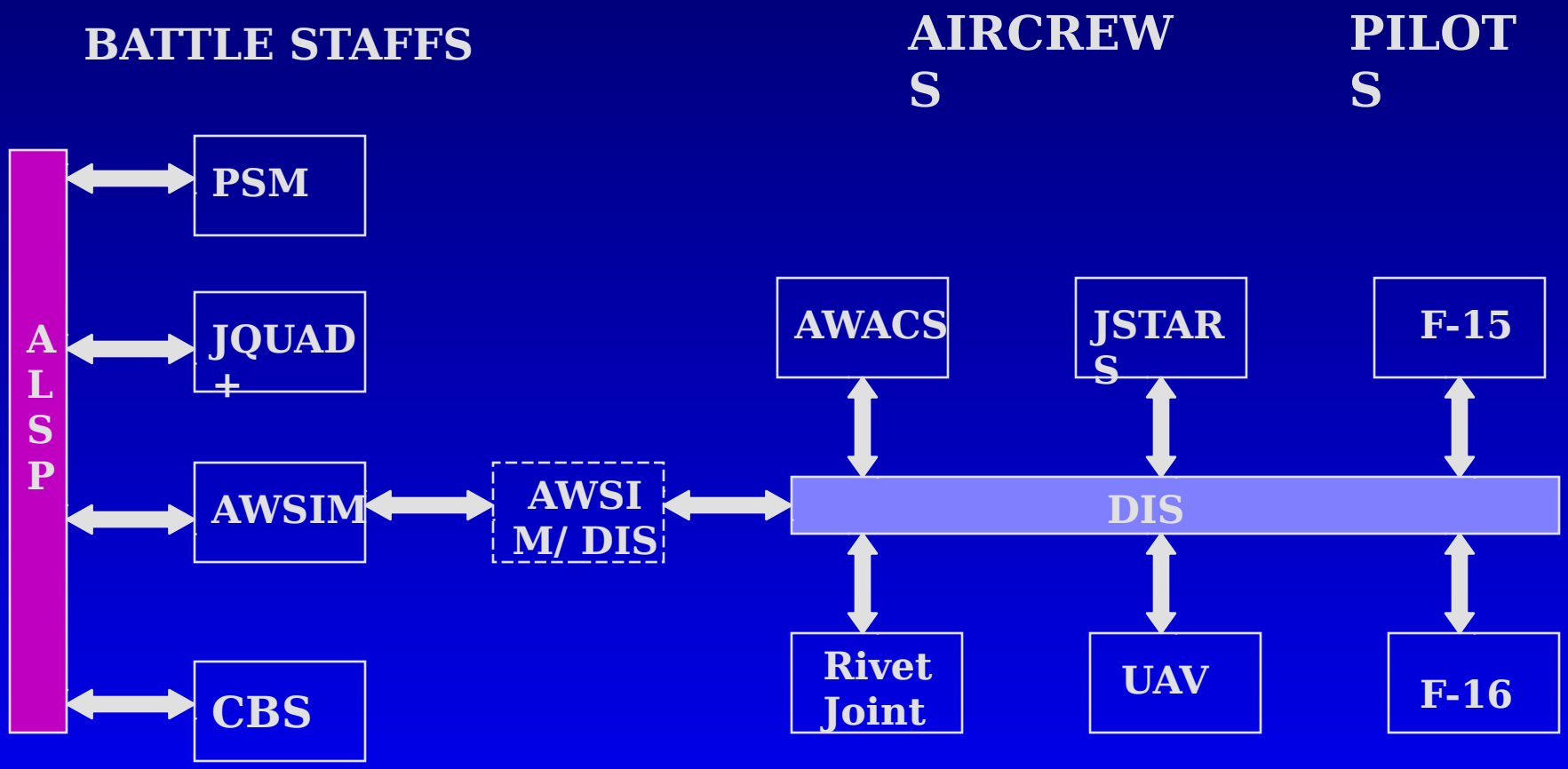


AFSOM DIS Capability

AWSIM/DIS

- Overview
- Development Phases
- Major Accomplishments
- Phase 2 Enhancements

AWSIM/DIS


BATTLE STAFFS
AIRCREWS
PILOTS
ALSP
PSM
JQUAD+
AWSIM
CBS
AWSIM/ DIS
AWACS
JSTARS
F-15
DIS
Rivet Joint
UAV
F-16
JTC Constructive Simulations
Individual & Team Training Virtual Simulations

AWSIM/DIS Development Phases

- Three Phases Linked to Expeditionary Force eXperiment (EFX) schedules
- Phase 1- Supported EFX 98 M&S Architecture (Basic Linkage Between Constructive, Live, Virtual)
- Phase 2 - Enhance/Improve AWSIM/DIS Capabilities and Support EFX 99
- Phase 3 - Complete AWSIM/DIS Interface and Support EFX 00

Phase 1 Major Accomplishments

- Accomplished First Gun Kill Between Virtual Sim and AWSIM (Straight & Level Flight)
- Supported First Hybrid ALSP/DIS Confederation to Stimulate & Test C4I Systems (AOC, AWACS, Missile Warning, JSTARS, Predator)
- Increased Flexibility of Simulation Environment to Examine Various Operational Procedures (e.g.,Collection Management, TCT)

Phase 2 Enhancements

- Improve Motion Fidelity During Combat Maneuvers/High Rate Turns
- Add Electronic Combat Capability
- Improve Overall Capacity & Performance
  - Increase to Blue Flag or UFL size air war

All Actors Integration (AAI) and Confederation Test (CT) Manning

AAI/CT Schedule

- AAI scheduled 18-29 Jan at WPC
  - Potential to add a third week for Y2K testing
- CT not scheduled yet
  - JTASC cannot support two week test in late Mar
  - ALSP program manager investigating one week test

AAI/CT Required Manning

- Cell Manning Requirements:

Air to Air	2
Air to Ground	2
Ground to Air	1
Airlift	1
EW/Detection	1
Intel	1
Total	8

- Center Requirements:

	AAI	CT
WPC	*?	?
C2TIC	?	?
KASC	?	?
AFWI	?	?
AMC	?	?
Total	8	8

AWSIM Database Calibration Effort

HQ USAF Policy

- Required by AFI 16-1001
- Current database has not been calibrated since 93
  - Using legacy database values

Approach

- AWSIM Database Calibration Conference
  - Develop Single Set of Baseline Characteristics for all AWSIM entities
  - Mutual Agreement
  - Document using Authoritative Data Sources
  - Validate through testing
  - First meeting after next UWG (mid-Oct)

Wargaming Center Requirements

- Commitment to support
- Resources TBD at Meeting after UWG
  - Personnel
  - Hardware/Software
  - Funds
- Goal: Build and Test prior to AAIT (Mid-Dec)
  - Maintain at AFAMS; available via SIPRNet